

# ASSEM IBRAHIM MOHAMED ZEIN EL-ABEDEIN

## ➤ PERSONAL INFORMATION

**Date of Birth** : 13 March 1987.  
**Marital Status** : Married.  
**Nationality** : Egyptian.  
**Mobile** : +966 58-36-55777  
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**Accommodation** : Riyadh, Saudi Arabia



## ➤ CURRENT JOB

Researcher at Chair of Dates Industry & Technology "CDIT", King Saud University.  
P.O Box 2460, Riyadh 11451, KSA.

## ➤ EDUCATION

### • MASTER DEGREE

**Degree obtained** : Master Of Agricultural Engineering.  
**University** : King Saud University, KSA  
**GPA** : Excellent (4.72).  
**Graduation Date** : May 2014.

### • PROJECT MANAGEMENT PROFESSIONAL

**Course title** : PMP\_PMBOK V.4  
**Institute** : New Horizons institute, Egypt.  
**Obtained Date** : June 2014.

### • FUNDAMENTALS OF PROJECT PLANNING AND MANAGEMENT

**Course title** : PMP\_PMBOK V.5  
**Institute** : University of Virginia, USA "Online".  
**Obtained Date** : October 2015.

### • ART OF PROJECT MANAGEMENT

**Course title** : PMI R.E.P. (3713) CERT05CC02  
**Institute** : Change for Consulting & Training, KSA.  
**Obtained Date** : October 2015.

## • BACHELOR DEGREE

**Degree obtained** : Bachelor Of agricultural Engineering.  
**University** : Alexandria University, Egypt.  
**GPA** : Very Good  
**Graduation Date** : June 2008.

## ➤ WORK EXPERIENCES

- (September 2016 until now)  
Researcher at **Chair of Dates Industry & Technology “CDIT”, King Saud University.**
- (November 2014 to July 2016)  
Projects Coordinator Engineer, **Rabiah Garden CO.**, Riyadh, KSA.
- (February 2009 to October 2014)  
Researcher at **Alamoudi Chair for water research “AWC”, King Saud University.**
- (June 2008 to January 2009)  
Production engineer at **Arabian Milling & Food Industries “S.A.E.”**, Egypt.
- (August 2007 to September 2007)  
Trainee engineer in **MANTRAC “the sole CATERPILLER dealer in Egypt”**.
- (August 2007)  
Trainee in **Agricultural Engineering Research Institute**, Alexandria, Egypt.

## ➤ FIELD EXPERIENCES

- Feasibility studies for agricultural projects.
- Field Consulting (Production, protection, breeding, fertilization, packaging, marketing,...etc) of many commercial crops.
- Agriculture in greenhouses.

## ➤ RESEARCH INTERESTS

- Rationalization of Water Consumption in Agricultural Applications.
- Modernization Irrigation Systems.
- Simulation of Water Movement in Soil.
- Crop production in green houses.
- Fertilization techniques and disease control
- Scientific publication papers in several fields “ dates industry, irrigation technology, and Food preservation (in attached paper).

## ➤ PUBLICATIONS

### Accepted & published ISI paper

- Younis, Mahmoud, Diaeldin Abdelkarim, and **Assem Zein El-Abedein**. "Kinetics and mathematical modeling of Infrared thin-layer drying of garlic slices." *Saudi Journal of Biological Sciences* (2018).
- Elnesr M., Alazba A., **Zein El-Abedein A.**, El-Adl M. Evaluating the Effect of Three Water Management Techniques on Tomato Crop. PLoS ONE 10(6): e0129796. doi: 10.1371/journal.pone.0129796 (2015).

### Under review ISI paper

- The effect of fermentation temperature on the production of bioethanol Fuel from the remains of dates rich in reduced sugar (Barhi CV.).
  - Submission date: March 13, 2018
  - Journal: Applied Energy
- Effect of anaerobic fermentation temperature on three different types of low-grade Saudi dates for producing ethanol fuel.
  - Submission date: January 28, 2018
  - Journal: Fuel

### Under submission ISI paper

- Effect of water Barricading Techniques under SDI System on Water Use Efficiency and Crop Yield.
  - Journal: Plos ONE
- Evaluation the effect of dual-lateral and physical barrier techniques on water use efficiency and crop yield of potato under SDI system.
  - Journal: Spanish Journal of Agricultural Research.

## ➤ RESEARCH PROJECTS

### Finished & Accepted projects

- 1) "Sustainable Irrigation Water Management Using Regulated Deficit Irrigation and the Partial Root-Zone Drying Method: the SALTMED Model Application" (2013 - 2014).
- 2) "Assessing the effect of three innovative techniques on water conservation and crop yield through subsurface drip irrigation" (2011-2013).
- 3) Analysis and development of the dual lateral subsurface drip approach as a promising technology to conserve water and improve yields quantity and quality ( Accepted in 2013 but did not start yet).

### Under review projects

- 1) "Simulation of the Transportation Effect on Engineering Properties and Losses".  
Possision: Project Manager  
Submission year: 2017
- 2) "Assess the suitability of producing powder from date paste using Infrared and vacuum drying techniques".  
Possision: Project Manager  
Submission year: 2017
- 3) "Novel technologies for extending the shelf life of Barhi at the khalal stage of maturity".  
Possision: Project Manager  
Submission year: 2017
- 4) "Evaluation of the suitability of producing a high-fiber nutritious beverage from milk based date powder".  
Possision: Project Manager  
Submission year: 2017

## ➤ SELECTED HUMAN DEVELOPMENT TRAINING COURSES

- 1) "e-Services Portal" Deanship of e-Transactions & Councinations, KSU, KSA  
(4 May, 2017)
- 2) "Task Traker" Deanship of e-Transactions & Councinations, KSU, KSA

- (4 April, 2017)
- 3) "IQ V3.0 Central Control System" Rain Bird corporation, Riyadh, KSA  
(14 February, 2017)
  - 4) "Introduction to Irrigation & Installation, and Product Technical Knowledge" Rain Bird corporation, Riyadh, KSA  
(24 May, 2016)
  - 5) "American English Conversation" Cambridge Acadimy, Alexandria, Egypt  
(25 January, 2016)
  - 6) "Organized the 5<sup>th</sup> symposium activities in KSU" Ministry of Higher Education, KSA  
(5 January, 2014)
  - 7) "IQ V2.0 Operator & Technician" Rain Bird corporation, Riyadh, KSA  
(12 December, 2013)
  - 8) "SALEM- Information Security" Deanship of e-Transactions & Councinations, KSU, KSA  
(23 March, 2013)
  - 9) "Databases definition" Deanship of Library Affairs, KSU, KSA  
(22 October, 2011)
  - 10) "Skills of Photoshop program" Deanship of Skills Development, KSU, KSA  
(5 October, 2011)
  - 11) " Speed reading skills" Deanship of Skills Development, KSU, KSA  
(15 March, 2011)
  - 12) "Organized the 2<sup>nd</sup> symposium activities in KSU" Ministry of Higher Education, KSA  
(16 December, 2010)
  - 13) "Information Security" Deanship of e-Transactions & Councinations, KSU, KSA  
(12 December, 2010)
  - 14) "Discover Scuba Diving" Deanship of Sports Activites, KSU, KSA  
(17 May, 2010)
  - 15) "Public Relations" Deanship of e-Transactions & Councinations, KSU, KSA  
(9 May, 2010)
  - 16) "The power of achieving the goal" Deanship of Student Affairs, KSU, KSA  
(7 April, 2010)
  - 17) "Skills of scientific reports preparation" Deanship of Skills Development, KSU, KSA  
(8 March, 2010)
  - 18) "Secretarial work skills" Deanship of Skills Development, KSU, KSA  
(3 March, 2010)
  - 19) "Marital compatibility skills" Deanship of Student Affairs, KSU, KSA  
(14 April, 2009)

## ➤ **SELECTED BOOKS**

### • "Postharvest handling"

- Translation into Arabic.
- Submission date: January, 2019
- Acceptance date ( from Agricultural Engineering Dep., KSU): February, 2019
- Acceptance date ( from Translation Center, KSU): March, 2019

- **“Hypobaric storage in Food Industry”**
  - Translation into Arabic.
  - Submission date: October, 2018
  - Acceptance date ( from Agricultural Engineering Dep., KSU): November, 2018
  - Acceptance date ( from Translation Center, KSU): November, 2018
- **“Dates: Postharvest science processing technology and health benefits”**
  - Translation into Arabic.
  - Submission date: November, 2016
  - Acceptance date ( from Agricultural Engineering Dep., KSU): May 2017
  - Acceptance date ( from Translation Center, KSU): June 2017

## ➤ **MEMBERSHIPS**

- Member, Saudi Council of Engineers.
- Member, Saudi Chemical Society.
- Member, Agricultural Professions Syndicate, Egypt.
- Member, Project Management Institute (PMI).
- Member, Egyptian Federation of Karate.

## ➤ **SELECTED CONFERENCES & WORKSHOPS & SEMINARS**

- Dates International Conference” 11-12 April 2018, Riyadh, KSA
- “The 6<sup>th</sup> International date palm conference” 19-21 March 2018, Abu Dhabi, UAE.
- “Advanced chromatographic applications workshop” 29 March 2017.
- “Food safety and the role of Saudi Food & Drug Authority workshop” 15 March 2017.
- ICWRAE “ the 7<sup>th</sup> Intern. Conf. on Water Resources and Arid Environment”, Dec. 2016.
- “The 5<sup>th</sup> Saudi Conference of Project Management”, May 2016
- “The 2<sup>nd</sup> Saudi Scientific Publishing Conference”, 11-13 October 2015
- “The 1<sup>st</sup> Saudi Conference for Research Support”, 2-4 November 2014
- “Saudi Intellectual Property Forum”, 23 -25 April 2012
- ARWADEX “the 10<sup>th</sup> Water desalination conference”, 8-11 April 2012.
- Solution for membrane fouling workshop, 2012
- ATF “Advanced technologies forum conference”, 28-30 November 2011.
- SIWTC “Saudi international water technology conference”, 21-22 November 2011.
- ICWRAE “the 4<sup>th</sup> Intern. Conf. on Water Resources & Arid Environments”, 6-8 Dec. 2010.
- “Distribution of the Toxic Samsun Ant in KSA and use of its toxins as natural products workshop” 24-26 May 2010

## ➤ **COMPUTER SKILLS**

- Well trained to work with most of the computer software programs, like the MS Office Suit, AutoCAD, Photoshop, IrriMAX, SPSS, SAS, RainCAD, Primavera, HYDRUS,Maximo...etc.

## ➤ **LANGUAGE SKILLS**

- **Arabic** : Mother Tongue.
- **English** : Very good (Speaking, Reading, Writing).